

=> d his

(FILE 'HOME' ENTERED AT 15:52:35 ON 07 DEC 96)

FILE 'REGISTRY' ENTERED AT 15:52:42 ON 07 DEC 96

L1	STRUCTURE UPLOADED
L2	STRUCTURE UPLOADED
L3	STRUCTURE UPLOADED
L4	0 S L1
L5	0 S L1 FULL
L6	0 S L2 FULL
L7	0 S L3 FULL

*structure search of compounds
in claim 3*

=> d his

(FILE 'USPAT' ENTERED AT 15:58:20 ON 07 DEC 96)

L1 145 S (ISOCYANATE# OR POLYISOCYANATE# OR DIISOCYANATE#) (P) (AMI
NE#

=> d 4,8,10

~~4.~~ 5,516,935, May 14, 1996, Process for the production of diisocyanates;
Eric Bischof, et al., 560/347 [IMAGE AVAILABLE]

~~8.~~ 5,449,818, Sep. 12, 1995, Process for the preparation of aromatic
diisocyanates; Klaus Biskup, et al., 560/347 [IMAGE AVAILABLE]

~~10.~~ 5,391,683, Feb. 21, 1995, Preparation of aromatic polyisocyanates;
Faouzi Joulak, et al., 528/67; 560/338, 347 [IMAGE AVAILABLE]

=>

=> d his

(FILE 'USPAT' ENTERED AT 14:32:53 ON 07 DEC 96)

L1 44447 S ISOCYANATE# OR POLYISOCYANATE# OR DIISOCYANATE#
L2 722 S (AMINOMETHYL OR AMINOETHYL) (1W)ETHER#
L3 806 S (AMINOMETHYL OR AMINOETHYL OR AMINOALKYL) (1W)ETHER#
L4 1 S L3(P)PHOSGENE AND L1

=> d l4

1. 4,062,833, Dec. 13, 1977, Biuret **polyisocyanates**; Michael J. Van Eyck, et al., 528/44; 560/335 [IMAGE AVAILABLE]

=>

The bis(2-isocyanatoethyl)ether is a known compound and can be prepared by reacting **phosgene** with bis(2-aminooethyl)**ether** or the hydrochloride salt thereof in a conventional solvent (e.g., chlorobenzene) at elevated temperatures.

SUM(13)

SUMMARY:

US PAT NO: 5,516,935 [IMAGE AVAILABLE]

L1: 4 of 145

ABSTRACT:

Diisocyanates are produced by gas-phase phosgenation of aliphatic diamines having two primary amino groups in the 1,2- or 1,3-position to one another or by cycloaliphatic diamines having two primary amino groups in the 1,2- or 1,3-position to one another.

ABSTRACT:

A continuous process for the preparation of aromatic diisocyanates by phosgenation of the corresponding diamines, in which the reaction is carried out in the gas phase. The mean contact time for the gaseous reactants is from 0.5 to 5 seconds with a mean deviation of no more than 6%. The product diisocyanate is obtained in yields of over 95%.

ABSTRACT:

Aromatic ****polyisocyanates****, e.g., toluene ****diisocyanate****, are prepared by reacting/contacting at least one aromatic compound (A) bearing at least two primary ****amine**** substituents, e.g., toluenediamine, xylylenediamine and/or phenylenediamine,, with ****phosgene****, in ****gaseous**** phase and in a reactor/reaction zone devoid of active mechanical stirring.

all considered

=> s phosgene(p) (polyoxyalkyleneamine# or (polyoxyalkylene(w)polyamine#) or (eth
L7 0 FILE CAPLUS
L8 10 FILE USPATFULL

TOTAL FOR ALL FILES

L9 10 PHOSGENE(P) (POLYOXYALKYLENEAMINE# OR (POLYOXYALKYLENE(W) P
OLYAMINE#) OR (ETHER(A) AMINE) OR POLYETHERAMINE# OR ETHER
AMINE# OR POLYETHERPOLYAMINE# OR POLYAMINEPOLYETHER# OR PO
LYAMINEETHER# OR AMINEETHER#)

=> d 1-10

L9 ANSWER 1 OF 10 USPATFULL
AN 96:94579 USPATFULL
TI Nonpeptidyl integrin inhibitors having specificity for the
GPII.sub.b III.sub.a receptor
IN Blackburn, Brent, San Francisco, CA, United States
Barker, Peter, El Granada, CA, United States
Gadek, Thomas, Oakland, CA, United States
McDowell, Robert, San Francisco, CA, United States
McGee, Lawrence, Pacifica, CA, United States
Somers, Todd, Montara, CA, United States
Webb, Rob, Moss Beach, CA, United States
Robarge, Kirk, San Francisco, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 5565449 961015
AI US 95-452479 950526 (8)
RLI Division of Ser. No. US 93-70457, filed on 8 Jun 1993 which is a
continuation-in-part of Ser. No. US 92-866931, filed on 10 Apr
1992, now patented, Pat. No. US 5250679 which is a
continuation-in-part of Ser. No. US 91-781477, filed on 18 Oct
1991, now abandoned
DT Utility
LN.CNT 13455
INCL INCLM: 514/219.000
INCLS: 514/220.000; 514/221.000; 540/493.000; 540/495.000;
540/504.000; 540/512.000
NCL NCLM: 514/219.000
NCLS: 514/220.000; 514/221.000; 540/493.000; 540/495.000;
540/504.000; 540/512.000
IC [6]
ICM: A61K031-55
EXF 540/493; 540/495; 540/504; 540/512; 514/219; 514/220; 514/221
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 2 OF 10 USPATFULL
AN 95:29638 USPATFULL
TI Benzazepine platelet aggregation inhibitors having specificity for
the GPII.sub.b III.sub.a receptor

IN 'Blackburn, Brent, San Francisco, CA, United States
McDowell, Robert, San Francisco, CA, United States
Gadek, Thomas, Oakland, CA, United States
Webb, Rob, Moss Beach, CA, United States
PA Genentech, Inc., So. San Francisco, CA, United States (U.S.
corporation)
PI US 5403836 950404
AI US 93-58722 930506 (8)
RLI Division of Ser. No. US 92-866931, filed on 10 Apr 1992, now
patented, Pat. No. US 5250679 which is a continuation-in-part of
Ser. No. US 91-781477, filed on 18 Oct 1991, now abandoned
DT Utility
LN.CNT 11322
INCL INCLM: 514/213.000
INCLS: 540/495.000; 540/506.000; 540/523.000
NCL NCLM: 514/213.000
NCLS: 540/495.000; 540/506.000; 540/523.000
IC [6]
ICM: A61K031-55
ICS: C07D223-16
EXF 540/523; 514/213
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 3 OF 10 USPATFULL
AN 93:82994 USPATFULL
TI Nonpeptidyl platelet aggregation inhibitors having specificity for
the GPII.sub.b III.sub. receptor
IN Blackburn, Brent, San Francisco, CA, United States
McDowell, Robert, San Francisco, CA, United States
Gadek, Thomas, Oakland, CA, United States
Barker, Peter, El Granada, CA, United States
McGee, Lawrence, Pacifica, CA, United States
Webb, Rob, Moss Beach, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 5250679 931005
AI US 92-866931 920410 (7)
RLI Continuation-in-part of Ser. No. US 91-781477, filed on 18 Oct
1991, now abandoned
DT Utility
LN.CNT 10784
INCL INCLM: 540/490.000
INCLS: 540/495.000; 540/512.000; 540/523.000
NCL NCLM: 540/490.000
NCLS: 540/495.000; 540/512.000; 540/523.000
IC [5]
ICM: C07D261-14
ICS: A61K031-55
EXF 540/506; 540/490
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 4 OF 10 USPATFULL
AN 91:68640 USPATFULL
TI Polyether substituted mannich bases and lubricant ashless
dispersants
IN Blain, David A., Mt. Laurel, NJ, United States
Cardis, Angeline B., Florence, NJ, United States
PA Mobil Oil Corp., Fairfax, VA, United States (U.S. corporation)
PI US 5043086 910827
AI US 90-549047 900706 (7)
RLI Continuation-in-part of Ser. No. US 88-280457, filed on 6 Dec 1988
DT Utility
LN.CNT 358
INCL INCLM: 252/051.500R
NCL NCLM: 508/558.000
NCLS: 508/561.000
IC [5]
ICM: C10M133-06
EXF 252/51.5R
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 5 OF 10 USPATFULL
AN 91:64470 USPATFULL
TI Polyether substituted mannich bases as fuel and lubricant ashless
dispersants
IN Blain, David A., Morrisville, PA, United States
Cardis, Angeline B., Florence, NJ, United States
PA Mobil Oil Corporation, New York, NY, United States (U.S.
corporation)
PI US 5039310 910813
AI US 88-280457 881206 (7)
DT Utility
LN.CNT 401
INCL INCLM: 044/424.000
INCLS: 044/425.000; 564/367.000; 564/370.000; 564/390.000
NCL NCLM: 044/424.000
NCLS: 044/425.000; 564/367.000; 564/370.000; 564/390.000
IC [5]
ICM: C10L001-22
ICS: C07C211-00; C07C215-00
EXF 252/50; 252/51.5A; 252/351; 252/355; 252/357; 044/72; 044/424;
044/425; 564/367; 564/370; 564/390
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 6 OF 10 USPATFULL
AN 85:63880 USPATFULL
TI 1-Sulfo-2-oxoazetidine derivatives and their production
IN Matsuo, Taisuke, Ibaraki, Japan
Kishimoto, Shoji, Takarazuka, Japan
Ochiai, Michihiko, Suita, Japan
PA Takeda Chemical Industries, Ltd., Osaka, Japan (non-U.S.
corporation)

PI -US 4550105 851029
AI US 81-326937 811203 (6)
PRAI WO 80-JP297 801205
WO 81-JP103 810430
WO 81-JP183 810821
WO 81-JP252 810924

DT Utility

LN.CNT 18339

INCL INCLM: 514/210.000

INCLS: 544/359.000; 544/360.000; 260/239.000A; 544/362.000;
544/363.000; 260/245.400; 544/364.000; 544/365.000;
260/330.300; 544/366.000; 544/367.000; 260/330.900;
544/369.000; 544/370.000; 544/090.000; 544/371.000;
544/372.000; 544/238.000; 544/374.000; 544/377.000;
544/229.000; 544/379.000; 544/405.000; 544/279.000;
544/406.000; 544/407.000; 544/295.000; 544/408.000;
544/409.000; 544/296.000; 546/014.000; 546/114.000;
544/298.000; 546/122.000; 546/123.000; 544/300.000;
546/153.000; 546/155.000; 544/301.000; 546/156.000;
546/157.000; 544/310.000; 546/159.000; 546/162.000;
544/311.000; 546/187.000; 546/193.000; 544/316.000;
546/194.000; 546/197.000; 544/317.000; 546/208.000;
546/209.000; 544/319.000; 546/210.000; 546/211.000;
544/320.000; 546/256.000; 546/261.000; 544/321.000;
546/263.000; 546/264.000; 544/322.000; 546/270.000;
546/275.000; 544/323.000; 546/276.000; 546/277.000;
544/324.000; 546/278.000; 546/279.000; 544/325.000;
546/280.000; 546/281.000; 544/327.000; 544/331.000;
544/332.000; 544/333.000; 544/334.000; 544/335.000;
544/336.000; 544/357.000

NCL NCLM: 514/210.000

NCLS: 540/355.000; 544/090.000; 544/229.000; 544/279.000;
544/296.000; 544/310.000; 544/316.000; 544/319.000;
544/321.000; 544/324.000; 544/328.000; 544/331.000

IC [4]

ICM: C07D205-08

ICS: C07D403-12; C07D401-12; A61K031-395

EXF 260/239A; 260/245.4; 260/330.3; 260/330.9; 544/229; 544/238;
544/279; 544/295; 544/296; 544/298; 544/300; 544/301; 544/310;
544/311; 544/316; 544/317; 544/319-325; 544/327; 544/331-336;
544/357; 544/359; 544/360; 544/362-367; 544/369-372; 544/374;
544/377; 544/379; 544/405-409; 546/14; 546/114; 546/122; 546/123;
546/153; 546/155-157; 546/159; 546/162; 546/187; 546/193; 546/194;
546/197; 546/208-211; 546/256; 546/261; 546/263; 546/264; 546/270;
546/275-281; 514/210

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 7 OF 10 USPATFULL

AN 85:47656 USPATFULL

TI Method of forming polymeric layers

IN Axen, Rolf E., Balinge, Sweden

. Kaj, Goran L., Uppsala, Sweden
Rigner, Bror S., Uppsala, Sweden
PA Pharmacia AB, Uppsala, Sweden (non-U.S. corporation)
PI US 4535010 850813
AI US 83-542507 831017 (6)
PRAI SE 82-5908 821018
DT Utility
LN.CNT 960
INCL INCLM: 427/246.000
INCLS: 427/245.000; 210/490.000; 210/500.200
NCL NCLM: 427/246.000
NCLS: 210/490.000; 210/500.270; 210/500.420; 427/245.000
IC [3]
ICM: B05D005-00
EXF 427/246; 427/245; 210/490; 210/500.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 8 OF 10 USPATFULL
AN 84:3113 USPATFULL
TI Liquid crystal material containing disazo dyestuffs
IN Claussen, Uwe, Leverkusen, Germany, Federal Republic of
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
(non-U.S. corporation)
PI US 4426312 840117
AI US 81-330631 811214 (6)
PRAI DE 80-3049454 801230
DT Utility
LN.CNT 260
INCL INCLM: 252/299.100
INCLS: 350/349.000
NCL NCLM: 252/299.100
IC [3]
ICM: C09K003-34
ICS: G02F001-13
EXF 252/299.1; 350/349
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 9 OF 10 USPATFULL
AN 83:11972 USPATFULL
TI Herbicidal N-[4-(3'-alkoxyphenoxy)-phenyl]-N'-methylureas
IN Rohr, Otto, Therwil, Switzerland
Pissiotas, Georg, Lorrach, Germany, Federal Republic of
PA Ciba-Geigy Corporation, Ardsley, NY, United States (U.S.
corporation)
PI US 4376646 830315
AI US 81-241295 810306 (6)
PRAI CH 80-2123 800318
CH 80-2124 800318
DT Utility
LN.CNT 702
INCL INCLM: 071/120.000

. - INCLS: 071/088.000; 071/090.000; 071/092.000; 071/094.000;
071/095.000; 071/098.000; 071/103.000; 071/105.000;
071/106.000; 260/453.000RW; 260/456.000A; 260/465.000D;
560/251.000; 564/049.000; 564/051.000; 564/052.000
NCL NCLM: 504/332.000
NCLS: 504/166.000; 504/167.000; 504/168.000; 504/171.000;
504/172.000; 504/173.000; 504/221.000; 504/224.000;
504/225.000; 504/226.000; 504/235.000; 504/248.000;
504/249.000; 504/283.000; 504/287.000; 504/304.000;
504/305.000; 504/310.000; 504/311.000; 504/312.000;
504/315.000; 504/319.000; 504/331.000; 558/058.000;
558/389.000; 558/413.000; 558/417.000; 560/251.000;
560/313.000; 564/049.000; 564/051.000; 564/052.000
IC [3]
ICM: A01N009-20
ICS: C07C127-19
EXF 564/49; 564/51; 564/52; 071/120; 260/465D; 260/456A; 260/453RW;
560/251

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 10 OF 10 USPATFULL
AN 76:70607 USPATFULL
TI 1,1,3-Trisubstituted hydroxyguanidines
IN Cherkofsky, Saul Carl, Wilmington, DE, United States
PA E. I. Du Pont de Nemours and Company, Wilmington, DE, United
States (U.S. corporation)
PI US 4000196 761228
AI US 74-533652 741217 (5)
RLI Continuation-in-part of Ser. No. US 73-373147, filed on 25 Jun
1973, now patented, Pat. No. US 3867447
DT Utility
LN.CNT 281
INCL INCLM: 260/565.000
INCLS: 260/556.000AR; 260/556.000B; 260/556.000S; 260/558.000S;
260/397.700R; 260/558.000A; 260/559.000T; 260/559.000S;
260/559.000A
NCL NCLM: 564/229.000
NCLS: 564/086.000; 564/238.000
IC [2]
ICM: C07C133-10
EXF 260/564G; 260/564A; 260/565; 260/556AR; 260/556B; 260/556S;
260/558S; 260/558A; 260/559T; 260/559S; 260/559A; 260/397.7
CAS INDEXING IS AVAILABLE FOR THIS PATENT.